

Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors: 23.1 (206 230 218 -203 219 F16.2

Docket No.:

Title:

2390.2009-001

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Inventors: Alia Karin Atlas, et al.

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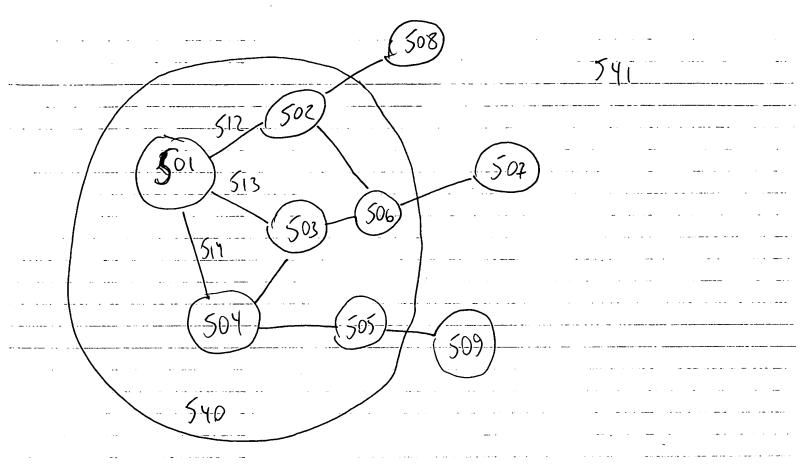
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Inventors: Alia Karin Atlas, et al.



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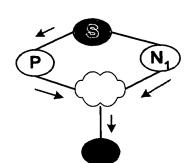
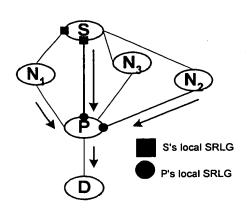


Fig. 6

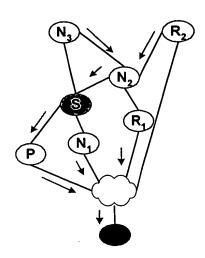
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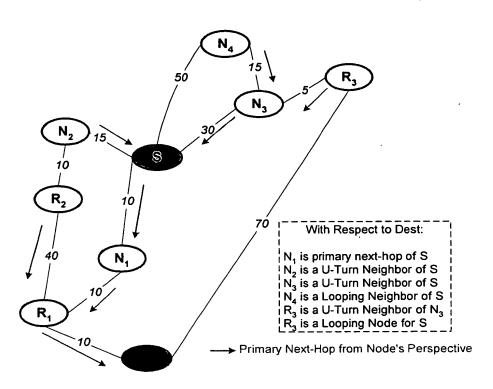
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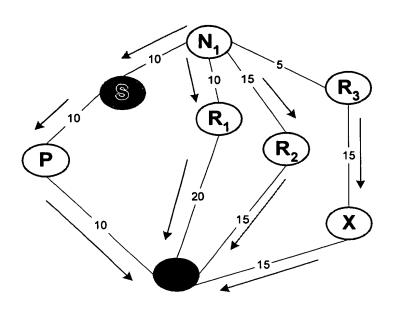
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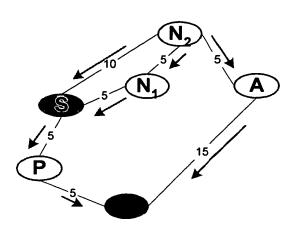
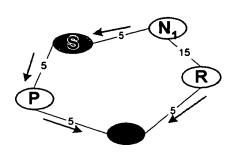


Fig.11

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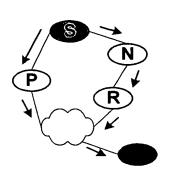
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If the IP destination prefix indicates destination D

If packet was received on an interface connected to a primary next-hop neighbor

Forward or discard based on Error! Reference source not found.

Else forward the packet to the primary next-hop.

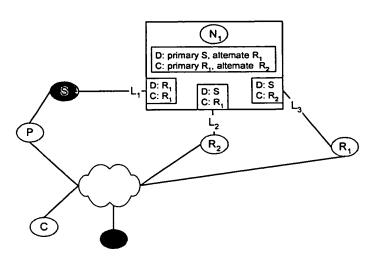
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State Interface	U-Turn Capable and no loop-free node-protecting alternate	Not U-Turn capable	U-Turn Capable and Lo p-Free N de- Pr tecting Alternate
Point-to-point	Discard	Forward to Primary	Forward to Alternate
Broadcast	Forward to Primary & send an ICMP redirect, or Discard, based on configuration	Forward to Primary	Forward to Alternate

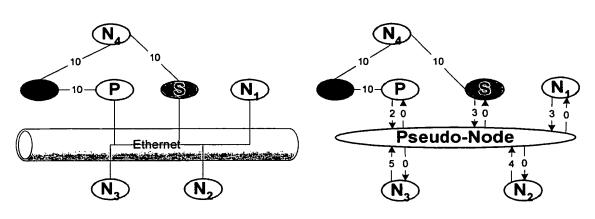
Fig. 15

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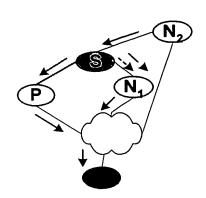
Fi6.16

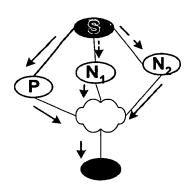
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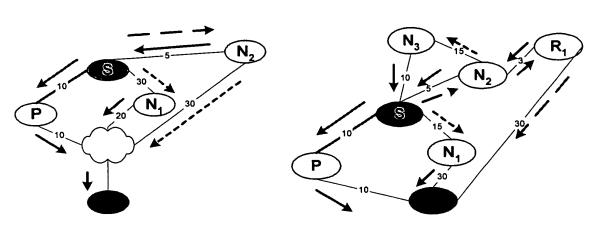
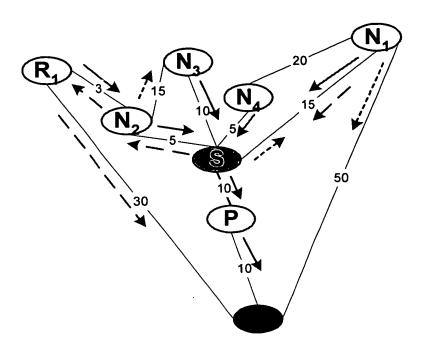


Fig. 19

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Unaffected Router .

Outdated Router (A) .

Updated Router .



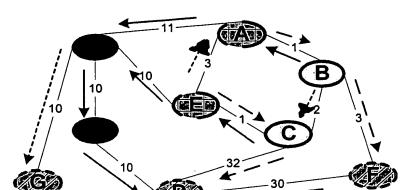
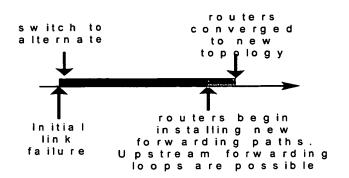


Fig. 21

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IP/LDP Local Protect	Eligible Alternate	Usable
Router Capability	Link Capability	As Alternate?
0 or Not Present	0 or Not Present	NO
0 or Not Present	1	YES
1	0 or Not Present	No
1	1	YES

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IP/LDP Local Protect	Eligible U-Turn Recipient	Usable
Router Capability	Link Capability	As U-Turn Recipient?
0 or Not Present	0 or Not Present	NO
0 or Not Present	1	YES
1	0 or Not Present	No
1	1	YES

Fig. 24

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